Steps to Multiply Polynomials:

- use distributive property

- coefficients - MULTIPLY

- exponent - ADD

Ex 1: $3x (2x^2 - 5x + 3)$

Ex 2: $5x^2y (-3x^4y^2 - 5x^2y^3 + 1)$

Ex 3: $(x + 5)(x + 2)$

Ex 4: $(x - 7)(x + 3)$
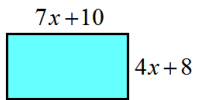

Ex 5: $(3x + 1)(4x - 3)$

Ex 6: $(5x - 9)(x + 1)$

Ex 7: $(x + 5)(x - 1)(x + 3)$

Ex 8: $(x + 4)(x^2 - 2x - 8)$

Ex 9: $(x + 4)^2$

1

Find the area of the rectangle.

$7x + 10$

$4x + 8$

Find the volume.

$x + 6$

$x + 3$

x